MONTHLY BULLETIN

OF

THE OBSERVATORY

QC
990
.L4
M6
1949

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

January 1949

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

JANUARY 1949

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	72.2	70.0	69.8	70.7	13.2	9.4	10.2	12.8	10.6	11.2
2	8.0	65.4	9.0	67.5	15.4	11.0	12.1	14.9	13.3	13.4
3	4.3	3.4	4.5	4.1	16.4	10.1	13.3	15.6	12.9	13.9
4	7.0	6.8	7.2	7.0	15.1	10.2	12.0	14.9	10.6	12.5
5	7.9	6.9	8.7	7.8	15.6	11.1	12.7	15.4	12.6	13.6
6	70.4	70.5	71.5	70.8	15.6	10.3	12.7	14.9	12.1	13.2
7	1.7	69.6	69.0	0.1	15.0	9.0	12.2	14.8	11.1	12.7
8	67.6	6.2	7.4	67.1	14.8	9.6	11.3	13.8	11.1	12.1
9	8.3	6.6	6.5	7.1	15.9	9.9	12.7	15.7	11.8	13.4
10	4.7	2.8	4.9	4.1	15.4	9.4	12.5	14.3	11.6	12.8
11	63.9	63.8	65.0	64.2	14.4	8.7	11.6	13.8	10.7	12.0
12	7.1	6.0	6.3	6.5	13.9	9.9	11.2	12.7	10.2	11.4
13	4.7	0.5	57.8	1.0	17.7	12.2	12.6	14.9	13.3	13.6
14	59.6	59.1	9.6	59.4	18.1	11.1	16.1	17.6	14.7	16.1
15	8.2	4.6	4.0	5.6	16.4	9.6	12.4	16.1	12.9	13.8
16	52.2	52.3	53.8	52.8	14.7	9.7	13.9	11.0	10.4	11.8
17	2.4	5.4	9.6	5.8	13.6	8.5	13.3	11.1	9.9	11.4
18	60.9	9.3	9.2	9.8	15.3	10.6	11.1	15.0	11.1	12.4
19	0.3	60.6	62.3	61.1	15.1	10.9	12.7	14.5	12.9	13.4
20	2.1	2.2	4.5	2.9	13.7	8.8	13.5	13.4	12.0	13.0
21	67.3	66.5	66.6	66.8	14.3	9.6	11.6	13.9	11.1	12.2
22	3.9	1.8	2.3	2.7	16.6	12.1	12.7	15.6	14.2	14.2
23	2.0	0.6	1.1	1.2	17.1	11.4	14.3	17.1	13.2	14.9
24	0.2	58.9	58.9	0.0	16.5	11.2	14.0	16.1	12.4	12.2
25	58.2	6.5	6.9	57.1	16.2	8.4	13.3	13.5	10.7	12.5
26	55.7	56.6	59.1	57.1	14.9	9.4	12.3	12.1	11.6	12.0
27	1.4	62.5	64.9	62.9	15.0	9.3	10.3	12.1	9.6	10.7
28	5.4	4.6	4.4	4.8	15.0	8.2	11.6	14.1	9.4	11.7
29	1.0	59.5	0.0	0.2	12.4	7.2	10.2	11.1	8.7	10.0
30	57.7	6.3	55.2	56.4	13.1	6.1	9.3	8.4	7.7	8.5
31	4.4	6.0	8.8	6.4	11.8	7.2	7.7	11.5	9.4	9.5
	62.92	62.00	62.87	62.59	15.10	9.68	12.14	13.96	11.41	12.51

Barometer, range for month 772.2 — 752.3 mm.

,, 71-yr. average for month 763.184 mm.

Thermometer, range for month 18.1°C — 6.1°C

,, 71-yr. average for month 13.72°C.

Rain, total for month 237.79 mm.

,, 71-yrs. average for month 190.28 mm.

,, Tolal, Sept. 1st. to end of month 736.09 mm.

,, 71-yr. average, Sept. 1st. to end of month 564.55 mm.

JANUARY 1949

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.4	10.1	10.1	9.5	69	69	78	72	8.2	254.0	
2	9.6	13.5	12.4	11.8	69	78	80	76	6.8	121.0	
3	9.6	14.0	10.5	11.4	64	79	70	71	8.2	325.0	
4	10.5	12.5	12.3	11.8	75	72	96	81	9.4	248.0	
5	11.0	12.5	7.9	10.5	78	72	52	67	9.3	396.0	
6	9.2	13.0	11.4	11.2	61	75	81	72	9.2	254.0	
7	10.1	12.5	12.3	11.6	70	77	91	79	9.4	269.0	
8	8.8	9.2	8.8	8.9	66	57	66	63	9.2	278.0	
9	11.4	13.0	12.3	12.2	78	74	89	80	8.6	167.0	
10	10.1	12.5	10.9	11.2	70	77	79	75	9.3	137.0	
11	10.1	10.1	9.2	9.8	73	64	71	69	9.5	412.0	
12	8.5	9.2	8.8	8.8	65	61	71	66	7.5	190.0	
13	9.2	12.0	11.0	10.7	63	70	71	68	0.4	447.0	
14	16.2	17.0	16.5	16.6	87	82	99	89	4.1	293.0	1.78
15	14.2	14.1	11.9	13.4	99	77	82	86	3.7	927.0	9.65
16	11.3	12.3	12.7	12.1	71	94	99	88	0.7	1352.0	43.95
17	12.4	13.2	12.3	12.6	81	99	99	93	0.2	903.0	89.41
18	11.4	11.5	13.2	12.0	85	70	99	85	1.4	980.0	10.42
19	14.3	13.9	12.4	13.5	96	84	86	89	3.1	538.0	7.37
20	11.0	11.4	10.5	11.0	73	75	75	74	3.6	348.0	1.52
21	10.1	11.9	10.9	11.0	72	75	83	77	4.1	457.0	
22	10.8	13.5	13.9	12.7	73	77	83	78	8.2	380.0	0.25
23	12.5	15.3	13.4	13.7	76	78	86	80	3.0	356.0	0.76
24	13.4	14.6	10.5	12.8	85	80	75	80	8.1	315.0	
25	11.4	12.9	10.9	11.7	76	85	83	81	3.0	855.0	7.11
26	11.4	14.2	11.9	12.5	80	99	87	89	3.3	726.0	7.88
27	10.7	12.3	11.8	11.6	87	87	99	91	3.2	613.0	18.29
28	11.9	11.0	11.8	11.6	86	76	99	87	4.0	385.0	8.12
29	10.1	10.5	11.4	10.7	83	79	98	87	1.4	607.0	17.02
30	11.4	11.0	10.6	11.0	95	98	98	97	3.8	719.0	47.24
31	10.0	10.9	10.5	10.5	94	79	89	89	6.2	449.0	17.02
	11.0	12.44	11.45	11.63	77.4	78.0	84.3	79.9	5.49	441.93	9.28

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

JANUARY 1949

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	6ci	0	2.0	1se	1ne	1ne	light	
2	0	8cust	6cu	4.7	1s	0	0	„	
3	0	2ci-st	9ci	3.7	1s	2ne	0	„	
4	0	0	0	0.0	1sw	1sw	0	„	
5	0	0	0	0.0	1s	1w	1sw	„	
6	0	5cu	0	1.7	1s	1w	0	light	
7	0	0	0	0.0	1s	1w	1w	„	
8	0	2ci	1ci	1.0	1s	2nw	0	mod.	
9	0	4cu-st	0	1.3	1s	1n	1n	light	
10	0	0	0	0.0	1se	1ne	0	„	
11	0	0	0	0.0	1se	3ne	0	slight	
12	0	0	0	0.0	1se	1ne	0	light	
13	10cu-st	10cu-st	5cu-ci	8.3	1s	1ne	1e	„	Tr. p.m.
14	1cu	4cu	5cu-ni	3.3	2sw	3sw	1sw	mod.	
15	8cu	8cu	5cu	7.0	1sw	3sw	3sw	slight	W. at night ; Th.
16	8cu	10ni	10ni	9.3	6sw	5sw	4sw	rough	Th.
17	8cu-ni	10ni	10ni	9.3	7sw	6sw	4sw	„	W.
18	8cu	7cu	10cu-ni	8.3	2sw	5sw	5w	mod.	
19	5cu	9cu-ni	8cu	7.3	2w	3sw	4sw	„	Tr. p.m.
20	9cu	9cu	6cu	8.0	1sw	3nw	2nw	„	Tr. p.m.
21	1cu	2cu	0	1.0	1se	1w	0	light	
22	6cu-st	4cu	10cu-ni	6.7	2sw	1sw	0	„	
23	8cust	7cu	2cu-ci	5.7	1sw	2w	0	„	
24	0	2cu	2cu-ci	1.3	1se	1w	0	„	
25	3cu	10cu-ni	5cu	6.0	2s	5sw	2sw	mod.	W. at night.
26	7cu-ci	9cu-ni	9cu	8.3	1sw	3sw	1sw	mod.	
27	10cu-ni	10ni	10cu-ni	10.0	3sw	5sw	3sw	„	
28	0	8cu	10cu	6.0	1s	1sw	1sw	slight	
29	5cu	10cu-ni	10ni	8.3	2sw	3sw	2sw	„	
30	8cu	10ni	10ni	9.3	1sw	2sw	2sw	„	
31	4cu-ci	5cu	4cu	4.3	1sw	2sw	1sw	„	
				4.58					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	6	10	14	1	0	0	31
14:30	2	6	0	0	0	15	6	1	1	31
20:30	1	1	1	0	0	13	2	1	12	31
Total	3	7	1	6	10	42	9	2	13	93

Number of days with rain 16, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 15.67